

Circular No 1021 September 2019

SAFETY IS TAKEN VERY SERIOUSLY should you be unsure about either the risks involved or your ability to participate safely in any of our events, you must seek advice from the GA office before booking. Please make sure that you study any risk assessment or safety briefing and that you have all the safety equipment specified. You must declare, at the time of booking, any disabilities or medical conditions that may affect your ability to safely attend a field meeting. You may be asked to provide further information on any prescription drugs etc that you may use whilst attending a field meeting. In order to ensure the safety of all participants, the GA reserves the right to limit or refuse attendance at field meetings.

EMERGENCY CONTACT if you are lost or late for the start of a meeting, an emergency contact is available during UK field meetings by calling the GA mobile phone **07724 133290**. The mobile phone will only be switched on just before and during field meetings. For routine enquiries please call the GA office on the usual number.

TRANSPORT is normally via private car unless otherwise advertised. If you are a rail traveller, it may be possible for the GA office to arrange for another member to provide a lift or collect you from the nearest railway station. This service cannot be guaranteed, but please ask before booking. Please indicate when booking, if you are able to offer a lift.

PUBLIC LIABILITY INSURANCE for field meetings is provided but personal accident cover remains the responsibility of the participant. Further details are available on request from the GA office.

TRAVEL REGULATIONS are observed. The GA acts as a retail agent for ATOL holders in respect of air flights included in field meetings. All flights are ATOL protected by the Civil Aviation Authority. Field meetings of more than 24 hours duration or including accommodation are subject to the Package Travel Regulations 1992. The information provided does not constitute a brochure under these Regulations.

Graham Hickman arranges UK field meetings and Ian Sutton is responsible for overseas excursions. Website for further details

<https://geologistsassociation.org.uk/ukfield>: <https://geologistsassociation.org.uk/overseasfield>

BOOKINGS AND PAYMENT: These should be made through Sarah Stafford by email: fieldmeetings@geologistsassociation.org.uk phone 020 7434 9298 or through the GA website. Please give an email and emergency contact number. Unless otherwise stated the cost is £5 per day for members. Locations and timings of field trips will be given nearer the time and once payment has been received. Field meetings are open to non-members but subject to £5 per day on top of the normal administration fee. The surcharge for overseas field trips will be equivalent to a year's Membership of the GA which we would recommend is used as membership for that year. (Associate £30, top-up for Joint £25 or £20, Student £20). Priority will initially be given to GA Members. Book online or cheques should be made out to Geologists' Association. Where places are limited, a system of first come, first served will operate so do book early. Some meetings may have restrictions on age (especially for under 16s) or be physically demanding. If you are uncertain, please ask.

GA UK FIELD MEETINGS 2019

Friday 20 September - afternoon

Behind the scenes geology store tour

Bristol Museum & Art Gallery, Bristol

Leader: Debbie Hutchinson

During 2019 we hope to celebrate the publication of the new GA guide to the geology of the Bristol area. This trip will take a 'behind the scenes tour of the library and geology store' at the Bristol Museum and Art Gallery revealing some of the unseen treasures. We are limited to a maximum tour size of 10 people, however it can be run more than once in the afternoon if required.

Attendees wishing to stay on and make a weekend of it by attending the field trip on Saturday 21st should arrange their own accommodation and sign up to that event separately.

Meeting points and further details will be communicated to participants nearer the time. Please note access to the geology store requires negotiating a stairway of 10-15 steps, there is no wheelchair access. However, for access to the library on the second floor a lift is available.

Cost: £5 will be same for both members and non-members

Saturday 21 September

Jurassic geology around Bath/Bristol, Bath

Leader: Prof Maurice Tucker

Prof Maurice Tucker is one of the authors, in the soon to be published and updated, GA guide to the geology of the Bristol area. The Saturday trip will visit Brown's Folly near Bath and Midford to examine the rocks of the Great Oolite Group and Inferior Oolite.

Attendees wishing to take the 'behind the scenes tour of the library and geology store' at the Bristol Museum and Art Gallery' on the Friday afternoon before hand (20/9) should arrange their own accommodation and sign up to that event separately.

Meeting points and further details will be communicated to participants nearer the time.

Cost: Members £5

Sunday 3 November GA Festival trips

1. City Building Stones Walk from Cannon Street to the Tower

Leader: Matt Loader

The route of this walk will take us up the geological column, beginning with the oldest rocks near Cannon Street Station and finishing

with the youngest ones at the Tower. Matt is an igneous petrologist who uses his knowledge to lead building stones walks and is becoming well-known in this field.

Meet: 10.30 am at the exit to the Cannon Street Underground Station on Dowgate Hill (District and Circle lines). The walk will last around 2 hours.

2. Geotrail along the Thames Path from the Thames Barrier to Greenwich

Leaders: members of the London Geodiversity Partnership

The geotrail will begin at the Thames Barrier and continue upstream along the south side of the Thames to Greenwich. It will reveal the fascinating earth science stories hidden below the concrete foundations of a disappearing industrial landscape. There are traces of past climate change; these and aspects of London geology will be pointed out along the way. The walk is about six km (3¾ miles) along the tow path (mostly smooth). We aim to have a late lunch in the Cutty Sark pub on Ballast Quay, before concluding the walk into Greenwich town centre. The trip should finish by about 3pm close to public transport.

Meet: 11.00 am at the Visitor Centre at the Thames Barrier, Charlton, Southeast London. The nearest railway station is Charlton. It takes about 15 minutes to walk to the Thames Barrier Visitor Centre. The nearest underground station is North Greenwich on the Jubilee Line; from there take either the 161 or 472 bus.

3. Local geology and a conserved Anglian glacial outwash exposure in Thorndon Country Park, Essex

Leaders: Ros and Ian Mercer

A trip to experience the succession of Tertiary geology of south Essex and overlying superficial deposits, as seen in the eroding landscape of Thorndon Country Park. It includes a visit to the section in Anglian and later sands and gravels, prepared by the Essex Rock & Mineral Society and GeoEssex with the aid of Essex County Council. Access will be on foot around the Country Park – a distance of around one mile over undulating, sometimes quite steep, ground, with an optional extension to view the lower Thames valley. Ros & Ian are becoming very familiar with the soft rock geology of Essex, once described as "gardening" – but now they know better!

Meet: 11 am at the Thorndon North EWT Centre concourse adjacent to the car park. Meeting point grid reference is TQ 60779145. Closest postcode is CM13 3RZ – but that is to the east of the park entrance which is actually at grid ref TQ 60439152. Finish for main itinerary at 1.30pm with optional extension walk to finish at 3pm.

Cost each trip £5 for GA Members, non-members and beginners welcome but booking is essential.

OVERSEAS FIELD MEETINGS 2020

Geological and Archaeological trip to the Teke Peninsula of Lycia in Southern Turkey

15 - 25 April

Leaders: Professor David Bridgland, Dr

Robert Westaway and Alison Ure

This successful and popular trip has been run 3 times previously by OUGS, and this will be the third time David and Rob have led it. A write up in the OUGS national newsletter September 2014 can be accessed through the OUGS website. The area covered is the Lycian Region of South West Turkey, an area laid down in Cretaceous times and shaped by the closure of the Tethys Ocean thrusting ocean floor overland in two opposing directions. The trip has been extended by a day from the previous trips, to incorporate evidence of the recent discovery of a meteorite impact, creating the formation of Kaş Bay. If you have never visited Turkey before this is an excellent opportunity to discover the fabulous hospitality of the people, great food, fascinating cultural and archaeological history, along with an array of very interesting geological features. Oh and then there is the weather!!

Information on the hotels and most of the sites mentioned in the itinerary below can be found on line. A more comprehensive itinerary will be sent later. Suggested reading 'Archaeology and Geology of Lycia Southern Turkey' by Dr Jill Eyers. (Rocks Afoot field guide series)

Cost: will be dependent on numbers in the group, and may be subject to change. The approximate cost will be £860 per person for minimum of 10 persons and £695 per person for a maximum of 20 persons. This price does not include flights and is based on shared accommodation. This price does include 10 nights B&B, transfers to and from the airport (if arriving with the main group) 2 dinners and 1 lunch, coach and driver, Turkish guide and three leaders, and entry to all

ancient sites. A single supplement of £100 will be added for those not wanting shared accommodation.

A minimum of 10 people is needed to make this trip viable. Personal travel insurance is a necessity for this trip however Turkey is deemed as being in Europe with most insurance companies!

A visa will be required but this is a 2 minute online process costing around 20\$.

Please note that despite recent political issues in Turkey the area visited on this trip is very safe and is a long way away from any troublesome borders, and the current exchange rate is very favourable for English visitors.

Booking: To book please email:

admin@geologistsassociation.org.uk

Madrid Geo-Museums

October 2020

Introducing the next 'Behind the scenes' geology museum trip, organised by David & Anne Bone and Roger Dixon. To include visits to the Museo Geominero and the National Museum of Natural Sciences.

To register interest: contact David Bone directly at david@dajbone.plus.com

GROUPS (LG) & AFFILIATED SOCIETIES

Amateur Geological Society

<http://amgeosoc.wordpress.com>

Email starfields@tiscali.co.uk

September 10 Sinkholes – Richard Puchner.

October 8 The Geology of Norway: Fjords, Fossils and Larvikite – Chris Darmon.

October 26 Geological walk: The Stones of Canary Wharf – Mike Howgate.

November 12 Magnificent Minerals in thin Section – Dr Anne Padfield

Association of Welsh RIGS Groups

www.wcva.org.uk/members-partners/nvo-search/detail?id=906675

Avon RIGS

<http://avonrigsoutcrop.blogspot.co.uk/>

Bath Geological Society

www.bathgeolsoc.org.uk

Bedfordshire Geology Group

www.bedfordshiregeologygroup.org.uk

Belfast Geologists' Society

www.belfastgeologists.org.uk

Black Country Geological Society

www.bcgs.info

September 13 – 16 Field meeting: Dorset.

September 16 How and why Earth's land ice cover is changing - Dr Nicholas Barrand

October 21 A Geological Grand Tour of the Solar System - Andrew Lound.

November 18 Minerals of the English Midlands - Roy Starkey

Brighton & Hove Geological Society

www.bhgs.org

Bristol Naturalists' Society

www.bristolnats.org.uk/geology

British Micromount Society

<http://britishmicromountsociety.homestead.com>

Bucks Geology Group

www.bucksgeology.org.uk

Cambridgeshire Geological Society

www.cambsgeology.org

Carn Brea Mining Society

www.carnreaminingsociety.org.uk

September 17 Some Mineral Specimens from Broken Hill Zambia – Tim Hawken.

October 15 The Great Bonanza, Mining & social history of Comstock lode in the USA– Derek Stonley.

November 19 Devon Great Consults – Rick Stewart.

Cheltenham Mineral and Geological Society

<http://cmgs.yolasite.com/society.php>

Croydon Natural History and Scientific Society

<https://cnhss.co.uk>

Cumberland Geological Society

www.cumberland-geol.org.uk

Cymdeithas Daearegryr Grwp De Cymru:

South Wales Geologists' Association (LG)

www.swga.org.uk

Cymdeithas Y Daeareg Gogledd Cymru:

North Wales Group Geologists' Association (LG)

www.ampyx.org.uk/cdgc/cdgc.html

Devon RIGS Group

www.devonrigs.org.uk

Devonshire Association (Geology Section)

www.devonassoc.org.uk

Dinosaur Society

www.dinosauriansociety.com

Dorset Group (LG)

<https://dorsetgeologistsassociation.org/>

Dorset Natural History & Archaeological Society

enquiries@dorsetcountymuseum.org

Earth Science Teachers' Association

www.esta-uk.net

East Herts Geology Club

www.ehgc.org.uk

East Midlands Geological Society

www.emgs.org.uk

Edinburgh Geological Society

www.edinburghgeolsoc.org

Essex Rock and Mineral Society (LG)

<http://www.ems.org/>

September 3 Thames Tideway Tunnel Scheme - Tim Newman

September 19 Sarsens, Troublesome Stones of Dubious Origin - Dr Stewart Ulyott

October 1 Faulting in London New Insights into the London Basin Tectonics -Tom Morgan,

October 17 Cenozoic Neotectonics: explaining the evolution of the preglacial River Thames

Dr Jonathan Lee

November 5 AGM; The Ice Margin in Essex – Dr Peter Allen

November 21 Flint Knapping Demonstration

James Dilley

Farnham Geological Society (LG)

www.farnhamgeosoc.org.uk

September 20 Exploration of Pluto – Dr Kevin Pretorium.

October 11 Meteorite impact in Skye - Dr Simon Drake and Dr Andy Beard.

November 8 The Black Country: Powerhouse of the Industrial Revolution.

Friends of the Sedgwick Museum, Cambridge

www.sedgwickmuseum.org/activities/friends.html

GeoLancashire (LG)

www.geolancashire.org.uk

Geological Society of Glasgow

www.geologyglasgow.org.uk

Geological Society of Norfolk

www.norfolkgeology.co.uk

Harrow & Hillingdon Geological Society (LG)

www.hhgs.org.uk

September 11 Enigmatic minerals of the UK – Mike Rumsey.

September 13-16 Field meeting: Jurassic coast of South Wales – Allan Wheeler.

October 9 Geological disposal of radioactive waste in the UK – Dr Jonathan Turner.

November 13 Was Palaeogene volcanism on the Isle of Sky, NW Scotland initiated by meteorite impact ? - Dr Simon Drake.

Hastings & District Geological Society

www.hastingsgeology.btck.co.uk

Hertfordshire Geological Society (LG)

www.hertsgeolsoc.org.uk

September 12 Exploring the Palaeocene lava fields of the Hebridean Igneous Province NW Scotland – Dr Ian Williamson.

October 10 Petroleum Exploration in Myanmar: an overview – Dr Andy Racey.

November 14 Problems in tunneling in Chalk and the overlying clays through the southern section of the HS2 Chilterns Tunnel – David McCann

Horsham Geological Field Club

www.hgfc.org.uk

September 11 Darwin as geologist – Dr Chris Duffin.

October 9 Offshore Wind Farms as Renewable Energy – David Shilston.

November 13 Detecting and Monitoring geohazards from space, or, a Welsh Collie and

Earthquake and a mad Irishman – Dr Renalt Capes.

Huddersfield Geology Group

www.huddersfieldgeology.org.uk

Hull Geological Society

www.hullgeolsoc.org.uk

The Jurassic Coast

www.jurassiccoast.com

Kent Geologists' Group of the Geologists' Association (LG)

www.kgg.org.uk

September 17 The Skye Meteorite Impact – Dr Simon Drake & Dr Andy Beard.

November 19 Ragstone to Riches – Simon Elliott.

Kingston Lapidary Gem & Fossil Society

Email: kingstonlapidarysocietyhull@gmail.com

The Kirkaldy Society - Alumni Queen Mary (LG)

Leeds Geological Association

www.leedsga.org.uk

October 10 The Great Glen Fault Zone – Dr Eddie Dempsey.

November 7 Does size really matter? A look at Aeolian forms – Dr Oliver Wakefield.

Leicester Literary & Philosophical Society (Geology)

www.charnia.org.uk

Liverpool Geological Society

www.liverpoolgeologicalsociety.org.uk

Manchester Geological Association

www.mangeolassoc.org.uk

September 22 Broadhurst Memorial Field Trip – The Goyt Valley Round Marple: Industrial History Meets Geology

September 25 Holiday Geology Friday

October 18–20 Geologists' Association Annual Conference

November 23 Broadhurst Memorial Lectures: The Anthropocene

Medway Fossil and Mineral Society

www.mfms.org.uk

Mid Wales Geology Club

www.midwalesgeology.org.uk

Midweek Geology Club

<http://mwgggyorkshire.org.uk/>

Milton Keynes Geological Society

<http://mkgeosoc.org/>

Mineralogical Society

www.minersoc.org

Mole Valley Geological Society (LG)

www.mvgs.org.uk

September 5 Ophiolites & the Lizard: A journey to the centre of the Earth - Dr M Eller

September 12-16 Field trip to the Lizard - Dr M Eller & Professor John Cosgrove

10 October Annual General Meeting & Annual Dinner

14 November Climate instability & atmospheric circulation in the last glaciation: evidence from stalagmites - Professor David Matthey.

Newbury Geological Study Group

www.ngsg.org.uk

Norfolk Mineral & Lapidary Society

norfolkminandlapsoc.homestead.com

Norfolk Geodiversity Forum

www.norfolkbiobiodiversity.org

North Eastern Geological Society

www.negs.org

North Staffordshire Group of the Geologists Association (LG)

www.esci.keele.ac.uk/nsgga

September 5 Field trip: Duckmanton Geology Trails

September 20-22 Field weekend: Mid-Wales

Open University Geological Society

www.ougs.org

Oxford Clay Working Group

Email: saurian@live.co.uk

Oxfordshire Geology Trust

www.oxfordshiregeologytrust.org.uk

Peak Lapidary & Mineral Society

www.dannatt.org.uk/PLMS/

Phoenix Geological Club

Email: kwaston@hotmail.com

Plymouth Mineral & Mining Club

www.denul.net/pmmc/

Reading Geological Society (LG)

www.readinggeology.org.uk

September 2 Presidential Address - Dr Clive Edmonds.

October 7 Palaeogene Volcanism on Skye – Dr Simon Drake & Dr Andy Beard.

November 4 The Thames through time – Prof Danielle Schreve.

Royal Geological Society of Cornwall

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Royal Geological Society of Cornwall 1814

www.geologycornwall.com

The Russell Society

www.russellsoc.org

Shropshire Geological Society

www.shropshiregeology.org.uk

Sidcup Lapidary and Mineral Society

www.sidcuplapminsoc.org.uk

Southampton Mineral and Fossil Society

www.sotonminfoss.org.uk

Stamford and District Geological Society

www.stamfordgeolsoc.org.uk

Teme Valley Geological Societywww.geo-village.eu

Tertiary Research Group

www.trg.org

Ussher Society

www.ussher.org.uk

Warwickshire Geological Conservation Group

www.wqcg.co.uk

Welsh Stone Forum

www.museumwales.ac.uk/geology/welshstoneforum/about-the-welsh-stone-forum/

Westmorland Geological Society

www.westmorlandgeolsoc.co.uk

West of England Group of the GA (LG)

www.wega.org.uk

West Sussex Geological Society (LG)

www.wsgs.org.uk

September 20 The Great Southwell Slip of 1734 – Dr Eddie Bromhead.

October 18 Volcano psychology: understanding the eruptive clock at active volcanoes – Dr Chiara Maria Petrone.

November 15 The Rising Continents and Sinking of Oceans – Prof. Craig Storey.

The Woolhope, Hereford

www.woolhopeclub.org.uk

Yorkshire Geological Society

www.yorksgesoc.org.uk

October 12 Ancient Air: evolution and perturbations of the Earth's atmosphere

November 2 De-carbonisation of the northern powerhouse.

SPECIAL EVENTS 2019

September 7

Hampshire Mineral & Fossil Show

www.sotonminfoss.org.uk

September 13 - 15

The Yorkshire Fossil Festival

<https://www.scarboroughmuseumtrust.com/event/the-yorkshire-fossil-festival/>

Earth Science Week

www.geolsoc.org.uk/earthscienceweek

Upload your own events on to interactive website

October 4 – 13

Sidmouth Science Festival

www.sidmouthsciencefestival.org

October 13-19

October 18 – 20

GA Annual Conference

University of Manchester

conference@geologistsassociation.org.uk

November 2

Festival of Geology

University College London

<https://geologistsassociation.org.uk>

December 7

North London Mineral Gem & Fossil Show

<https://amgeosoc.wordpress.com>

Temporary Geological Exhibitions

13 July – 16 October

Geology in Ware the last 50 years

www.waremuseum.org.uk

24 May – 27 October

Secret Rivers

Museum of London, Docklands

www.museumoflondon.org.uk/museum-london-docklands